



FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

520.43141X00

10/661,574

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT
K. OKADA, et al

FILING DATE
September 15, 2003

GROUP
2182

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JP	4 0 2 5 9 0 4	5/77	Adney et al			
JP	5 4 0 8 4 6 5	4/95	Gusella et al			
JP	5 4 5 9 8 5 7	10/95	Ludlam et al			
JP	5 5 0 4 8 8 2	4/96	Chai et al			
JP	5 6 8 0 5 8 0	10/97	Beardsley et al			
JP	5 8 7 0 5 3 7	2/99	Kern et al			
JP	5 8 9 5 4 8 5	4/99	Loechel et al			
JP	5 9 1 7 7 2 3	6/99	Binford			
JP	5 9 5 6 7 5 0	9/99	Yamamoto, et al			
JP	6 0 1 2 1 2 3	1/00	Pecone et al			
JP	6 0 9 8 1 2 9	7/00	Fukuzawa et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
JP	0 9 2 8 8 5 4 7	11/97	Japan			XX	
JP	1 0 2 8 3 2 7 2	10/98	Japan			XX	
JP	2 2 9 3 3 1 7	10/00	Japan			XX	
JP	2 0 6 7 1 8 7	3/01	Japan			XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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sp	6 1 7 3 3 7 4	1/01	Hell, et al			
sp	6 2 1 9 7 5 3	4/01	Richardson			
sp	6 2 4 7 0 9 9	6/01	Skazinski et al			
sp	6 2 4 7 1 0 3	6/01	Kern et al			
sp	6 4 4 6 1 4 1	9/02	Nolan et al			
sp	6 4 4 6 1 7 5	9/02	West et al			
sp	6 4 8 4 1 7 3	11/02	O'Hare, et al			
sp	6 4 9 0 6 5 9	12/02	McKean et al			
sp	6 5 2 3 0 9 6	2/03	Sanada et al			
sp	6 5 2 9 9 7 6	3/03	Fukuzawa et al			
sp	6 5 5 3 4 0 8	4/03	Merrell et al			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
sp	2 1 5 7 0 9 1	5/02	Japan			XX	
sp	2 2 3 0 2 4 6	8/02	Japan			XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

sp	White Paper, "Network Attached Storage in the Data Protection Environment", Sony Electronics Inc., Feb. 2002, pps. 1-23.
sp	S. Sicola, "SCSI-3 Fault Tolerant Controller Configurations Utilizing SCC & New Event Codes", High Availability Study Group, Doc. No. X3T10 95-312r3, Rev. 3.0, Feb. 28, 1996, pp. 1-4.

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2 0 0 1	0 0 5 0 9 1 5	12/01	O'Hare et al			
2 0 0 1	0 0 5 2 0 1 8	12/01	Yokokura			
2 0 0 2	0 0 0 4 8 5 7	1/02	Arakawa et al			
2 0 0 2	0 1 3 3 7 3 5	9/02	McKean et al			
2 0 0 2	0 1 5 6 8 8 7	10/02	Hashimoto			
2 0 0 3	0 0 3 7 0 7 1	2/03	Harris et al			
2 0 0 3	6 3 5 6 9 7 7	3/02	Ofek et al			

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	2 0 0 3	0	0	5	1	1	0	9	3/03	Cochran			
	2 0 0 3	0	0	5	6	0	3	8	3/03	Cochran			
	2 0 0 3	0	0	9	7	6	0	7	5/03	Bessire			
	2 0 0 3	0	1	0	1	2	2	8	5/03	Busser et al			
	2 0 0 3	0	1	1	5	4	3	2	6/03	Biessener et al			

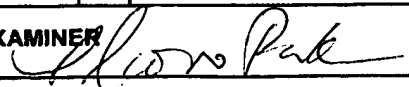
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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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		"SAN Virtualization Guidelines", DataCore Software Corporation, 2000, pp. 1-9.

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<i>sp</i>	2 0 0 3	0	1	2	6	3	2	7	7/03	Pesola et al			
<i>↑</i>	2 0 0 3	0	1	4	5	1	6	8	7/03	LeCrone et al			
<i>↑</i>	2 0 0 3	0	1	5	8	9	9	9	8/03	Hauck et al			
<i>↑</i>	2 0 0 3	0	1	6	7	4	1	9	9/03	Yanai et al			
<i>↑</i>	2 0 0 3	0	2	0	0	3	8	7	10/03	Urabe et al			
<i>↑</i>	2 0 0 3	0	2	0	4	5	9	7	10/03	Arakawa et al			
<i>sp</i>	2 0 0 3	0	2	1	2	8	6	0	11/03	Jiang et al			

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<i>sp</i>	2 0 2 1 0 7 7 0 0 3	11/03	Ohno et al			
<i>1</i>	2 0 0 0 3 0 2 2 0 0 4	1/04	Garrison et al			
	2 0 0 4 9 5 5 3 0 0 4	3/04	Iwamura et al			
	2 0 0 5 4 8 5 0 0 0 4	3/04	Fisk			
	2 0 0 6 4 6 1 0 0 0 4	4/04	Fukuzawa et al			
	2 0 0 6 4 6 4 1 0 0 4	4/04	Kodama			
<i>sp</i>	2 0 1 1 1 4 8 5 0 0 4	6/04	Mimatsu et al			

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<i>sp</i>	2 0 0 4	0	1	2	3	1	8	0	6/04	Soejima, et al			
<i>↑</i>	2 0 0 4	0	1	4	3	8	3	2	7/04	Yamamoto, et al			
	2 0 0 4	0	1	4	8	4	4	3	7/04	Achwa et al			
	2 0 0 4	0	1	7	2	5	1	0	9/04	Nagashima et al			
	2 0 0 4	0	2	3	0	9	8	0	11/04	Koyama et al			
<i>sp</i>	2 0 0 4	0	2	6	0	8	7	5	12/04	Murotani et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>✓</i>	<i>sp</i>	Introduction to Storage Pooling, Consolidation Storage Resources with DataCore SANSymphony Software" White Paper, DataCore Software, updated July 2003, pp. 1-8.
EXAMINER	<i>Shawn Park</i>	DATE CONSIDERED <i>7/20/06</i>

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
dp	5 1 5 5 8 4 5	10/92	Beal et al			
2004	0 2 6 0 9 6 6	12/04	Kalya et al			
2002	0 0 2 9 3 2 6	3/02	Reuter et al			
2002	0 0 0 3 0 2 2	1/02	Csida et al			
2002	0 0 2 6 5 5 8	2/02	Reuter et al			
2002	0 0 1 9 9 2 0	2/02	Reuter et al			
2002	0 0 1 9 9 2 2	2/02	Reuter et al			
dp	2002	2/02	Reuter et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

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<i>JP</i>	6 1 9 5 7 3 0	2/01	West			
<i>JP</i>	2 0 0 1 9 9 0 8	2/02	Reuter et al			
<i>JP</i>	2 0 0 6 5 8 6 4	5/02	Hartsell, et al			
<i>JP</i>	2 0 0 8 7 5 4 4	7/02	Selkirk, et al			
<i>JP</i>	2 0 0 1 0 3 8 8 9	8/02	Markson, et al			
<i>JP</i>	2 0 0 1 1 2 1 1 3	8/02	Karpoff, et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
<i>JP</i> 9 7 0 9 6 7 6	3/97	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>Shawn Patel</i>	DATE CONSIDERED <i>7/20/06</i>
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<i>Sp</i>	2 0 0 2	0	1	5	6	9	8	4	10/02	Padovano			
	2 0 0 2	0	1	5	6	9	8	7	10/02	Gajjar, et al			
	2 0 0 2	0	1	7	8	3	3	5	11/02	Selkirk, et al			
	2 0 0 2	0	1	8	8	5	9	2	12/02	Leonhardt, et al			
	2 0 0 5	0	2	4	0	7	4	1	10/05	Nagasawa et al			
<i>Sp</i>		5	9	7	8	8	9	0	11/99	Ozawa et al			

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													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Sp</i>	P. Sarkar, et al "Internet Protocol Storage Area Networks", IBM Systems, Journal, vol. 42, No. 2, 2003, pp. 218-231.
<i>Sp</i>	E. Anderson, et al, "Hippodrome: Running Circles Around Storage Administration", Hewlett-Packard Laboratories, pp. 14.

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<i>dp</i>	2 0 0 4	0	0	8	8	4	1	7	5/04	Bober, et al			
	2 0 0 3	0	0	9	3	5	6	7	5/03	Lolayekar, et al			
	2 0 0 4	0	0	6	8	6	3	7	4/04	Nelson et al			
	2 0 0 3	0	2	2	9	6	4	5	12/03	Nelson et al			
	2 0 0 5	0	0	3	3	8	7	8	2/05	Mogi et al			
	2 0 0 4	0	1	3	9	2	3	7	7/04	Pangal et al			
<i>dp</i>	2 0 0 3	0	1	1	5	2	1	8	6/03	Bobbitt et al			

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	6 8 5 7 0 5 7	2/05	Nelson et al			
	6 9 7 3 5 4 9	12/05	Testardi			
	6 9 7 6 1 0 3	12/05	Watanabe et al			
	3 7 7 1 1 3 7	11/73	Barner et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
0 3 0 2 3 6 4 0	3/03	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>J</i>	JP 10-508967 (PCT equivalent WO 97/09676).

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	6 6 4 7 3 8 7	11/03	McKean et al			
	6 7 7 2 3 1 5	8/04	Perego			
	R E 3 7 3 0 5	7/01	Chang et al			
	2 0 0 5	6/05	Amir			
sp	2 0 0 4	3/04	Blumenau et al			
	2 0 0 4	2/04	Mavelli et al			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
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sp	"SANRAD Application Note: Migrating Individual Servers to an iSCSI SAN", APP-004-01, SANRAD 2003, pp. 1-15.
sp	"SANRAD Application Note: Data Migration Solution Transferring Data Between Storage Systems Over Fibre-Channel or SCSI Connections, APP-003-03, SANRAD 2003, pp. 1-9.
sp	"White Paper - Celerra Data Migration Service (CDMS)", EMC Corporation, Jan. 2002, pp. 1-13.

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<i>↑</i>	2002	9/02	Terrell et al			
	2003	10/03				
	2005	01/05	Tremblay et al			
	4710868	12/87	Cocke et al			
<i>↓</i>	6341329	1/02	LeCrone et al			
<i>SP</i>	6681303	1/04	Watabe et al			

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	5 7 5 8 1 1 8	5/98	Choy et al	711	114	
	5 8 3 5 9 5 4	11/98	Duyanovich et al	711	162	
	6 1 0 8 7 4 8	8/00	Ofek et al	711	112	
	6 2 3 0 2 3 9	5/01	Sakaki et al	711	112	
	6 2 4 0 4 8 6	5/01	Ofek et al	711	112	
	6 4 5 7 1 3 9	9/02	D'Errico et al	714	5	
	6 6 4 0 2 9 1	10/03	Fujibayashi et al	711	162	
	6 8 2 6 7 7 8	11/04	Bopardikar et al	725	145	
	6 8 1 6 9 4 8	11/04	Kitamura et al	711	152	

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<i>1</i>	5 6 8 0 6 4 0	10/97	Ofek et al	710	19	
<i>2002</i>	0 1 9 4 5 2 3	12/02	Ulrich et al	714	4	
<i>2003</i>	0 1 8 2 5 2 5	9/03	O'Connell et al	711	162	
<i>2005</i>	0 0 8 1 0 0 9	4/05	Williams et al	711	163	
<i>2005</i>	0 0 1 0 7 3 4	1/05	Soejima et al	711	163	
<i>2003</i>	0 1 4 5 1 6 9	7/03	Nagasawa et al	711	117	
<i>JP</i>	7 0 5 1 1 2 1	5/06	H. Ohno, et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

Steven Pat

DATE CONSIDERED

7/20/06

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